

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference <b>88387RLO</b>	<b>FOR FURTHER ACTION</b>	See item 4 below
International application No. <b>PCT/US2005/009028</b>	International filing date ( <i>day/month/year</i> ) <b>17 March 2005 (17.03.2005)</b>	Priority date ( <i>day/month/year</i> ) <b>30 March 2004 (30.03.2004)</b>
International Patent Classification (8th edition unless older edition indicated) <b>See relevant information in Form PCT/ISA/237</b>		
Applicant <b>EASTMAN KODAK COMPANY</b>		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).																
2.	<p>This REPORT consists of a total of 6 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p>																
3.	<p>This report contains indications relating to the following items:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;"><input checked="" type="checkbox"/> Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td><input type="checkbox"/> Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/> Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/> Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/> Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/> Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/> Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/> Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>	<input checked="" type="checkbox"/> Box No. I	Basis of the report	<input type="checkbox"/> Box No. II	Priority	<input type="checkbox"/> Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/> Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/> Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/> Box No. VI	Certain documents cited	<input type="checkbox"/> Box No. VII	Certain defects in the international application	<input type="checkbox"/> Box No. VIII	Certain observations on the international application
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4.	The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).																

	Date of issuance of this report <b>04 October 2006 (04.10.2006)</b>
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  <b>Yolaine Cussac</b>
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# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

see form PCT/ISA/220

13/10

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REC'D 01 JUL 2005

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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/US2005/009028

International filing date (day/month/year)  
17.03.2005

Priority date (day/month/year)  
30.03.2004

International Patent Classification (IPC) or both national classification and IPC  
G09G3/32

Applicant  
EASTMAN KODAK COMPANY

1. This opinion contains indications relating to the following items:

- ox No. I Basis of the opinion
- ox No. II Priority
- ox No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ox No. IV Lack of unity of invention
- ox No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ox No. VI Certain documents cited
- ox No. VII Certain defects in the international application
- ox No. VIII Certain observations on the international application

### FOR FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/US2005/009028

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**Box No. I Basis of the opinion**

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1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material:
    - ☐ in written format
    - ☐ in computer readable form
  - c. time of filing/furnishing:
    - ☐ contained in the international application as filed.
    - ☐ filed together with the international application in computer readable form.
    - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/US2005/009028

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**Box No. V Reasoned statement under Rule 43b/s.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

Novelty (N)	Yes: Claims	5
	No: Claims	1-4,6,7
Inventive step (IS)	Yes: Claims	5
	No: Claims	1-4,6,7
Industrial applicability (IA)	Yes: Claims	1-7
	No: Claims	

**2. Citations and explanations**

**see separate sheet**

**Part V: novelty and inventive step:**

- 1 Claim 1 does not satisfy the requirements of Article 33(1) PCT because its subject matter is not novel within the meaning of Article 33(2) PCT.

Document US-A-2001/024186 (=D1) discloses, according to the wording of claim 1, an organic EL display apparatus [title] including in each display pixel an organic EL element [paragraph 0006] and a drive transistor [paragraph 0006] that supplies the organic EL element with a drive current that depends on brightness data [paragraph 0006] and having the display pixels arranged in a matrix form [paragraph 0003], the organic EL display apparatus comprising a correction gain storage unit [the memory wherein Voffset and C are stored, see paragraph 0141] for storing display pixel positions [each pixel has an entry in the memory recited in paragraph 0141] and a correction gain [parameter C, see equation (10) and paragraph 0141] for correcting the slope of the brightness-data-based drive current of the drive transistors in the display pixels [see equation (10) of paragraph 0134]; and a correction unit [this unit is the circuit performing the computation recited in paragraph 0146] for correcting pixel-by-pixel brightness data depending on the pixel position using the correction gain stored in the correction gain storage unit into brightness data for the pixel to generate corrected brightness data [see paragraph 0146], wherein each of the display pixels is displayed by driving its drive transistor in response to the data generated by the correction gain storage unit and the correction unit and supplying the corresponding organic EL element with the drive current [see paragraph 0148].

- 2 The subject matter of claims 2 to 4, 6, and 7 is also not novel:
- cl. 2: paragraph 0146;
  - cls 3&4: a correction offset in addition to the correction gain is disclosed in paragraph 0146 in connection with equation (10) of paragraph 0134; and
  - cls 6&7: the means recited in these two claims correspond to those means which would be required to perform the method disclosed in Fig. 14 and in paragraphs 0138 to 0141.
- 3 It would appear that the subject matter of claim 5 satisfies the novelty and inventive step requirements of Article 33 PCT.

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING  
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/US2005/009028

None of the prior art documents cited in the International Search Report appear to disclose or even to suggest "stor[ing one] correction value for each of horizontal or vertical lines. In each of the cited prior art documents, it is always stressed that nonuniformities are randomly detected across a whole display so that luminosity is not expected to vary according to a first direction only while remaining constant according to a second direction perpendicular to the first direction. A skilled person would therefore have no incentive to only store one set of parameter per row or per column.